NITFS
Compliance Registration

Product: **National Geospatial-Intelligence Agency (NGA) Front-end Processing Environment (FPE) Version 9.1 for the production of Controlled Image Base (CIB)**

Sponsor: **National Geospatial-Intelligence Agency (NGA)**

Developer: **British Aerospace Engineering (BAE)**

Date: **13 September 2005**
Expiration: **12 September 2007**
Registration #: **344**

- ☐ Initial Registration
- ☑ Supplemental/Update # **337**
- ☐ Derived from Reg. # ____

☐ **System**
N-0105/98, §4.1.1

☐ **Product**
N-0105/98, §4.1.2

☑ **Component**
N-0105/98, §4.1.3

** NITF 2.0 feature
* NITF 2.1 feature

Complexity Level

NITF 2.1 CLEVEL

	3		5	6	7
Interpret					
Generate					

NITF 2.0 CLEVEL

	1	2	3	4	5	6	Oth
Interpret							
Generate	■	■	■				

Configurations Tested:

-Sun Enterprise Network Solaris 8

NITFS Features Implemented:

Format
NITF
- ◯ ● v2.1
- ◯ ● v2.0
- ◯   v1.1
NSIF
- ◯ ◯ v1.0

Pixel Value Types
- ◯ ◯ Boolean
- ◯ ● Integer
- ◯ ◯ Signed Integer *
- ◯ ◯ IEEE Real *
- ◯ ◯ IEEE Complex *

Annotation Segment Types
- ◯ ◯ Bit Mapped **
- ◯ ◯ CGM, 2301
- ◯ ◯ CGM, 2301A
- ◯ ◯ Labels **

Text Segments
- ◯ ◯ STA
- ◯ ◯ UT1
- ◯ ◯ U8S
- ◯ ◯ MTF

Image Segment Types
- ◯ ● MONO
- ◯ ◯ RGB
- ◯ ◯ RGB/LUT
- ◯ ◯ YCbCr
- ◯ ◯ MULTI
- ◯ ◯ NODISPLY
- ◯ ◯ POLAR

Image Compression
- ◯ ◯ Not Compressed
- ◯ ◯ JPEG Lossy, 8-bit
- ◯ ◯ JPEG Lossy, 12-bit
- ◯ ◯ JPEG Downsample
- ◯ ◯ JPEG Lossless
- ◯ ◯ JPEG 2000
- ◯ ◯ Bi-Level
- ◯ ● Vector Quantization
- ◯ ◯ Multispectral JPEG, Individual Band

Data Extension Segments
- ◯ ◯ TRE_OVERFLOW
- ◯ ◯ STREAMING_FILE_HEADER
- ◯ ◯ Controlled Extensions **
- ◯ ● Registered Extensions **

Tagged Record Extensions
- ◯ ● RPFHDR
- ◯ ● RPFIMG
-     RPFDES

Legend

- ● ◯ Fully implemented
- ◐ ● Partially implemented
- ◯ ◯ Not implemented

Registration does not guarantee that a product will meet all users' requirements. Potential users should evaluate the detailed test results to determine the suitability of a product for the intended use. Optional NITFS features may not be implemented.

EDWARD E. BOYLES II, Division Chief
Joint Interoperability Test Command
Executive Agent to National Geospatial-Intelligence Agency for the NITFS Test and Evaluation Program